

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L2    | 2    | ("6728279").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/31 12:32 |
| L3    | 125  | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and active and (maxi\$4 near3 point\$2)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2005/07/31 14:00 |
| L4    | 14   | ("5651018") or ("5,325,392") or ("5,398,256") or ("5,555,253") or ("5,420,845") or ("6,243,517") or ("5,939,021").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2005/07/31 14:14 |
| L5    | 104  | 3 and spac\$5 and frequency  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2005/07/31 13:19 |
| L6    | 40   | ("4856005"   "4885753"   "4896325"   "5155737"   "5187717").PN. OR ("5325392").URPN.   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:15 |
| L7    | 20   | 5 and "372"/\$.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2005/07/31 14:29 |
| L8    | 40   | ("4856005"   "4885753"   "4896325"   "5155737"   "5187717").PN. OR ("5325392").URPN.   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:25 |
| L9    | 1299 | 372/96.ccls.   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:25 |
| L10   | 1462 | 372/20.ccls.   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:25 |
| L11   | 133  | 10 and 9   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:25 |
| L12   | 14   | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and active and (maxi\$4 near3 point\$2) and L10   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2005/07/31 13:36 |
| L14   | 19   | ("4826282"   "4920542"   "5003550"   "5048040"   "5155736"   "5325380"   "5325392"   "5351262"   "5379318"   "5440576"   "5473625"   "5568311"   "5581572"   "5648978"   "5708674"   "5748660"   "5835650"   "5841799"   "6122306").PN. OR ("6728290").URPN. | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:40 |
| L15   | 33   | ("4829535"   "4873696"   "4971415"   "4995048"   "5007062"   "5088097"   "5164956").PN. OR ("5379318").URPN.   | US-PGPUB; USPAT; USOCR                             | AND              | ON      | 2005/07/31 13:48 |

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|-----|-----|--|--|-----|-----|------------------|
| L16 | 158 | laser and tun\$4 and ((SSG near2 DBR) or (GCSR) or (grating near3 coupler near3 sampl\$3 and reflec\$4) or (super near3 structure near3 grating near3 distribut\$4 near3 bragg near3 reflect\$4))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 13:52 |
| L17 | 155 | (laser same tun\$4) and ((SSG near2 DBR) or (GCSR) or (grating near3 coupler near3 sampl\$3 and reflec\$4) or (super near3 structure near3 grating near3 distribut\$4 near3 bragg near3 reflect\$4))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 14:28 |
| L19 | 49  | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and (active or gain) and 17   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 14:01 |
| L21 | 2   | ("4896325").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/07/31 14:12 |
| L22 | 2   | ("5621828").PN.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/07/31 14:14 |
| L23 | 31  | (laser same tun\$4) and ((SSG near2 DBR) or (GCSR) or (grating near3 coupler near3 sampl\$3 and reflec\$4) or (super near3 structure near3 grating near3 distribut\$4 near3 bragg near3 reflect\$4)) and (maxi\$4 near3 (reflect\$5 or transmit\$4 or point\$2)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 14:28 |
| L24 | 10  | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and (active or gain) and (maxi\$4 near3 (reflect\$5 or transmit\$4 or point\$2)) and 17   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 14:28 |
| L25 | 374 | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and (active or gain) and (maxi\$4 near3 (reflect\$5 or transmit\$4 or point\$2))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 15:26 |
| L26 | 162 | 25 and "372"/\$.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 14:29 |
| L27 | 0   | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide near3 system) and spac\$4 (maxi\$5 near3 transmit\$4) and (maxi\$5 near3 point\$2)                                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 15:30 |
| L28 | 1   | (tun\$4 near3 laser) and substrate and filter and (mirror or reflect\$3) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide near3 system) and spac\$4 (maxi\$5 near3 transmit\$7) and (maxi\$5 near3 point\$2)                                   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON  | 2005/07/31 15:32 |

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|-----|----|---|--|-----|----|------------------|
| L29 | 1  | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide near3 system) and spac\$4 (maxi\$5 near3 transmit\$7) and (maxi\$5 near3 point\$2)                | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:35 |
| L30 | 3  | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide) and spac\$4 (maxi\$5 near3 transmit\$7) and (maxi\$5 near3 point\$2)                             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:35 |
| L31 | 17 | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide) and spac\$4 (maxi\$5 near3 (transmit\$7 or filter\$4)) and (maxi\$5 near3 point\$2)              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 16:21 |
| L32 | 2  | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and (waveguide near4 system) and spac\$4 (maxi\$5 near3 (transmit\$7 or filter\$4)) and (maxi\$5 near3 point\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:36 |
| L33 | 17 | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and spac\$4 (maxi\$5 near3 (transmit\$7 or filter\$4)) and (maxi\$5 near3 point\$2)                              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:49 |
| L34 | 17 | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and (maxi\$5 near3 reflect\$5) and spac\$4 and (maxi\$5 near3 (transmit\$7 or filter\$4)) and (maxi\$5 near3 point\$2)                          | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:50 |
| L35 | 37 | (tun\$5 near3 laser) and substrate and filter and (mirror or reflect\$5) and (active or gain) and ((maxi\$5 near3 reflect\$5) or (maxi\$5 near3 (transmit\$7 or filter\$4))) and (maxi\$5 near3 point\$2) and spac\$4                         | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 15:54 |
| L36 | 39 | (tun\$5 near3 laser) and substrate and (mirror or reflect\$5) and (active or gain) and ((maxi\$5 near3 reflect\$5) or (maxi\$5 near3 (transmit\$7 or filter\$4))) and (maxi\$5 near3 point\$2) and spac\$4                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 16:36 |
| L37 | 22 | 36 not 31   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 16:21 |
| L39 | 6  | 17 and 36   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 16:26 |
| L40 | 40 | (tun\$5 near3 laser) and substrate and (mirror or reflect\$5 or DBR) and (active or gain) and ((maxi\$5 near3 reflect\$5) or (maxi\$5 near3 (transmit\$7 or filter\$4))) and (maxi\$5 near3 point\$2) and spac\$4                             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2005/07/31 16:37 |

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|-----|----|---|---|-----|----|------------------|
| L41 | 41 | (tun\$5 near3 laser) and substrate and (mirror or reflect\$5 or DBR) and (active or gain) and ((maxi\$5 near3 reflect\$5) or (maxi\$5 near3 (transmit\$7 or filter\$4))) and (maxi\$5 near3 point\$2) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/07/31 16:39 |
| L42 | 2  | 41 not 36   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2005/07/31 16:39 |